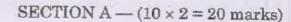
APRIL/MAY 2024

CEBC63 — IMMUNOLOGY

Time: Three hours

Maximum: 75 marks



Answer ALL the questions.

Define passive immunity.

- 2. Explain the term immunological memory.
- 3. Recall the properties of adjuvant.
- 4. Infer the role of MHC.
- 5. List the functions of complement.
- 6. Explain the term agglutination.
- 7. What is auto graft?
- 8. Outline the types of hypersensitivity.
- 9. Show the benefits of vaccination.
- 10. Summarize the principle behind outerchlony technique.

SECTION B — $(5 \times 5 = 25 \text{ marks})$

Answer ALL the questions.

11. (a) Identify the structure are functions of eosinophils.

Or

- (b) Examine the structural features of spleen.
- 12. (a) Identify the biological functions of IgE.

Or

- (b) Examine the properties of antigen.
- 13. (a) Organize the types of cytokines.

Or

- (b) Analyze steps involved in classical complement pathway.
- 14. (a) Identify the mechanism behind type I hypersensitivity.

Or

(b) Examine the process involved in plastic surgery.

15. (a) Organize the steps involved in the production of rDNA Vaccines.

Or

b) Analyze the principle behind RIA.

SECTION C — $(3 \times 10 = 30 \text{ marks})$

Answer any THREE questions.

- 16. Explain the mechanism of humoral immunity.
- 17. Deduce the types of immunoglobulin.
- 18. Appraise the steps involved in complement pathway.
- 19. Elaborate the mechanism of type II hypersensitivity.
- 20. Discuss the principle procedure involved in immuno electrophoresis.

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